

RECEIVED

U. S. LAND OFFICE Las CrucesSERIAL NUMBER 051102-BLEASE OR PERMIT TO PROSPECT Ballard B

MAR 10 1977

O. C. C.

UNITED STATES

ARTESIA, OFFICE DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Franklin, Aston & Fair Address Roswell, New Mexico
Lessor or Tract Ballard Field Loco Hills State New Mexico
Well No. 4-B Sec. 1 T. 18 R. 29 Meridian NMPM County Eddy
Location 990 ft. {N.} of North line and 1650 {E.} of East line of SE NE NE 1 Elevation
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Date October 22, 1946 Signed Ben A. O'Leary Title Partner

The summary on this page is for the condition of the well at above date.

Commenced drilling June 4, 1946, 19 Finished drilling July 10, 1946, 19

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2742 to 2761 No. 4, from to
No. 2, from 2768 to 2792 No. 5, from to
No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

No. 1, from to No. 3, from to
No. 2, from to No. 4, from to

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
<u>8 1/2"</u>	<u>480</u>	<u>100</u>	<u>Used</u>	<u>480</u>	<u>Reg.</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u>7"</u>	<u>2667</u>	<u>100</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8 1/2"</u>	<u>480</u>	<u>50</u>	<u>Halliburton</u>	<u> </u>	<u>Circulated Surface</u>
<u>7"</u>	<u>2667</u>	<u>100</u>	<u>"</u>	<u> </u>	<u>"</u>

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set
Adapters—Material Size

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
<u>15"</u>	<u> </u>	<u>Nitro-Glycerin</u>	<u>140</u>	<u>7-12-46</u>	<u>2765'-2800'</u>	<u>2800'</u>

TOOLS USED

Rotary tools were used from feet to feet, and from feet to feet
Cable tools were used from 0 feet to 2600 feet, and from feet to feet

DATES

 , 19 Put to producing 7-11-46, 19

The production for the first 24 hours was 90 barrels of fluid of which 100 % was oil; % emulsion; % water; and % sediment. Gravity, °Bé.

If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in.

EMPLOYEES

W. R. Stephens, Driller Harvey Flynn, Driller
A. J. Smith, Driller John Wagner, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>40</u>	<u>40</u>	<u>Sand Red</u>
<u>40</u>	<u>70</u>	<u>30</u>	<u>Red Sand & Red Bed</u>
<u>70</u>	<u>220</u>	<u>150</u>	<u>Red Bed</u>
<u>220</u>	<u>290</u>	<u>70</u>	<u>Anhydrite White</u>
<u>290</u>	<u>300</u>	<u>10</u>	<u>Shale Blue</u>
<u>300</u>	<u>308</u>	<u>8</u>	<u>Shale Red</u>
<u>308</u>	<u>325</u>	<u>17</u>	<u>Shale Blue</u>
<u>325</u>	<u>335</u>	<u>10</u>	<u>Shale Red</u>
<u>335</u>	<u>390</u>	<u>55</u>	<u>Red Bed</u>
<u>390</u>	<u>405</u>	<u>15</u>	<u>Gypsum</u>
<u>405</u>	<u>410</u>	<u>5</u>	<u>Red Bed</u>
<u>410</u>	<u>425</u>	<u>15</u>	<u>Anhydrite</u>
<u>425</u>	<u>448</u>	<u>23</u>	<u>Red Bed & Gypsum</u>
<u>448</u>	<u>480</u>	<u>32</u>	<u>Salt</u>
<u>480</u>	<u>1165</u>	<u>685</u>	<u>Salt</u>
<u>1165</u>	<u>1250</u>	<u>85</u>	<u>Anhydrite</u>
<u>1250</u>	<u>1260</u>	<u>10</u>	<u>Red Rock</u>
<u>1260</u>	<u>1265</u>	<u>5</u>	<u>Anhydrite</u>
<u>1265</u>	<u>1280</u>	<u>15</u>	<u>Shale Blue</u>
<u>1280</u>	<u>1825</u>	<u>545</u>	<u>Anhydrite & Shale</u>
<u>1825</u>	<u>1832</u>	<u>7</u>	<u>Sand</u>
<u>1832</u>	<u>2220</u>	<u>388</u>	<u>Anhydrite</u>
<u>2220</u>	<u>2230</u>	<u>10</u>	<u>Lime</u>
<u>2230</u>	<u>2245</u>	<u>15</u>	<u>Anhydrite</u>
<u>2245</u>	<u>2285</u>	<u>40</u>	<u>Sand Red</u>

(OVER)

FORMATION RECORD—Continued

